The Exciter

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The San Antonio Radio Club meets the first and third Fridays of each month at the Durham School of Electronics 659 N. Main (On Romana Plaza). Visitors are always welcome.

San Antonio Radio Club
This certificate is issued to
in appreciation for having achieved the skillful task of contacting members of The San Antonio Radio Club through the media of amateur radio communications in accordance with requirements established by
The San Antonio Radio Club
certificate no ___
on this ___ day of _____ 19___
Endorsements
Awards Manager

SAN ANTONIO RADIO CLUB CERTIFICATE

Shown above is the handsome certificate being offered by the San Antonio Radio Club to hams throughout the world. Below are the rules for obtaining the certificate.

For contacting stations in San Antonio, Texas; no time limitations.

1. DX stations (including KH6 & KL7) contact 5 including 2 members of SARC.
2. U. S. stations contact 10, including 3 members of SARC.
3. Bexar county stations contact 25, including 10 members of SARC.
4. Contacts with Club Stations W5SC will count double.
5. Certificates endorsed all one mone/band or mised; each counts as a separate award. MER rule applies.
6. Charge of 50 cents to W/K stations, no charge to DX stations.
7. QSL's not required, but San Antonio stations must have received applicants QSL.
8. Available to SWL's on heard basis.

Send GCR list and full log data to San Antonio Radio Club Awards Manager, 100 N. Winston Lane, San Antonio 13, Texas.

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DX NOTES By W5LGG

As we enter the New Year first let me wish for the best DX success for all of us in 1963. With propagation conditions worsening still, we might dispair of any DX this year. But even if ten, fifteen and twenty are stone dead don't forget that 40 and 80 are DX bands too!

To explain what I mean, I was listening on 3505 Kc about 11 PM one night o an apparently dead band. Recalling that a low angle of radiation means everything for low frequency DX, I wondered if one of my nearly vertical guy wires might not work on 80. So I connected the coax to the insulated guy wire (which was 67 feet long) and connected the braid of the coax to the chain link fence around the backyard and went in to listen. To my surprise, there were strong signals coming in on 80 that cound not be heard at all on the horizontal antenna. There were S-8 signals from W1, 2, and 3 and G5WP was S-6. A QSO soon resulted with G5WP, followed early the next morning (6 am) by QSO's with JA6AK and HL9KH on the same frequency. A quarter wave vertical on 80 or on 40 will work wonders in

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The editorials and articles by contributing editors represent the views of the authors and do not necessarily reflect the views and opinions of the members of the San Antonio Radio Club or its officers.

DX. Just give it a try! W5PSB pit om El Paso reports 140 countries worked on 40 meters over the past 2 years; and W5EJT has worked about 30 countries on 80 in the same time.

In the meantime, don't abondon 20 meters yet. Beam long path around 8 in the morning and try a CQ DX. You'll find 4X4IX and ET3LM active on SSB, plus signals from Europe. Evenings guard 14292 for ZL1ABZ on rare Kermadic Island and don't forget Gus on 14035 and 14125--his latest QTH was ZS8.

Till next month, 73 & DX
Len, W5LGG

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VHF AND UP

As announced in Jan. 63, QST, the new limit for power input in the 420-450 mc. band in 1000 watts. The old limit of 50 watts still applies to a few areas in the U. S. where missile and rocket testing is being carried on.

Moonbounce no doubt will receive a big boost with the removal of the power restriction as there are many VHF men who can get on 432 mc with high power vacuum tubes instead of klystrons as is presently required for 1296 mc.

A card from Ed Tilton, W1HDQ, VHF Editor, QST, says that Ed still reads the EXCITER regularly. He comments that the most of the gear available nowadays is wideband FM and not NBFM. As such, it is not useable below 52.5 mc.

When OSCAR III is orbited within the next few months, the possibilities of 50 mc. WAS on two meters will become more of reality. OSCAR III will receive a 50 kc. portion of 2 meters and re-broadcast it is a different part of the band. It thus serves as an active repeater, putting 48 of the 50 states in easy (?) reach of Texas. Alaska and Hawaii could not be worked by one hop relay at the usual height of the OSCARS (100-150 miles).

Beginning on 1 Jan 63, a new method of designating satellites will be used. All satellities and space probes which have a lifetime of at least 90 minutes and which require a designation for scientific purposes, will be numbered as follows: the first satellite in 1963 in 1963-1; the 2nd satellite is 1963-2, etc. Where more than one component exists, suffix letters will be used, such as 1963-2B. Satellites launched prior to 1963 will retain the old designations.

SPACEWARN broadcasts on the Voice of America will be heard through March 63 at 2130-2135 CST Monday-Saturday. The broadcasts contain new and information on orbit data and radio frequencies on new satellites lauchings, and modified orbital elements for satellites already in orbit. The SPACEWARN programs in English are sent over WLWO, 6155, 9650 Kc.; WBOU, 9750, 11905 kc.; and WDSI, 11890 kc.

It was interesting to note the regular appearance in the newspaper of the Mariner II signal reports, especially when Mariner II was approaching Venus. Signals were last received on 4 Jan 63 when the spacecraft was 54 million miles distant from earth. In the mean time, keep your eye peeled for ECHO II which is due to be launched in early February. It will be 135 ft. in diameter and will be launched in a polar orbit, making almost true north-south passes.

On the subject of editorial reporting, the subject of the Linotron is to be discussed. The

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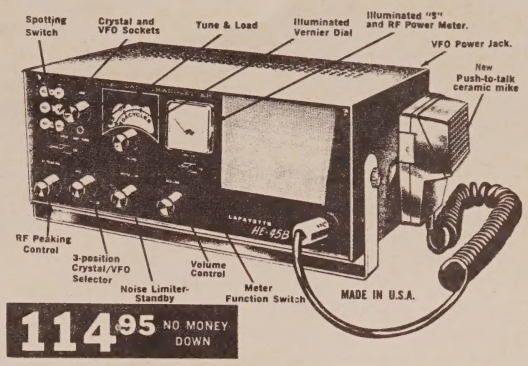

114.95 NO MONEY DOWN

Linotron is a very unique device operating on the principle of majority logic. It is so unique that a paper on it was accepted for presentation at WESCON. After its acceptance, the authors of the article disclosed to the WESCON officials that their paper was a gigantic hoax. They stated in part: "We feel that this is our most important contribution since we must acknowledge previous work done in the field. We must give reference and credit to G.S. Ohm, who in 1927 named this device the resistor."

In Electronic Design of 6 Dec 62, one of the authors, W.D. Rowe, Sylvania, explains the rationale behind the hoax. He states that we are beset by a glut of technical papers, that of 6000 papers given at 200 conferences from Aug 61 to June 62, only a handful were worthwhile. He lists what he considers major technical breakthroughs in this same period. And now the intent of this piece. To show the depth and broadness of scope of the items covered in the EXCITER, the dates these same items were covered in the EXCITER are given:

Continuous operation of a solid state laser (Nov. 62).
Manned, multiple-orbit flights around the earth (Mar. 62).
Reflection of radio waves from the sun (May 61).
New energy sources biological, plasma, fuel cells (Nov. 61).

Q.E.D. for now, Cal Graf
W5LFM

WITH THE BEXAR COUNTY AREC

The San Antonio Radio Club Station, W5SC, was officially opened on January 19th We had a good crowd at the Station and we would like to apologize to those stations that checked in but were not acknowledged. We had so much local QRM and other interruptions it was almost impossible to copy any-

SKINNY CHARLIE SPECIALS WHILE THEY LAST!

Used but clean Globe Sidebander $75, 775A VFO $35, 775 VFO $25, Scout $70! HALLICRAFTER S 140 $103, HT 40 $85, S 53A $48, SX 99 $104, SX 111 $200...GONSET Communicator IV's 2 meter $344, 6 meter $354, 6 meter Linear $85, GSB 100 $375, G 43 $110, GSB 101 $295.... MULTI-PRODUCTS AF 68/PMR 8 with 3 way pwr supply $375 ....NATIONAL 183D $275, 183 $165....COLLINS 75A3 $350, 75A2 $250, 32V2 $250.....HEATH Cheyenne/Commanche & AC pwr $250.....SWAN 40 w/12VDC $300....POLYCOM 6 & 2 $319.....Etc.....

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thing. Next time we use headphones.

The station is open for operation by members of the San Antonio Radio Club, their licensed guests, and AREC members during emergencies and disasters.

If you wish to operate the station during the hours when the Red Cross Chapter House is normally open, contact Mr. Wood and present your current membership card for identification.

After hours, when station is closed, call one of the Club Officers or Assistant Emergency Co-ordinators and present your Club Card to the building caretaker for identification.

We would like to check out as many club members as possible on the equipment at the station for a nucleus of operators during a prolonged emergency

Thad Johnson, W5IRQ and Bob Rosson, K5UWS, have volunteered to put our 2 meter gear on the air, however, we are shy about 75 feet of RG - 8/U coax for the antenna installation. Anyone desiring to donate or loan same to the club for a good cause, please let them know and your generosity will certainly be welcomed.

We are in need of an RTTY expert to inventory the equipment on hand and determine what has to be done to make our RTTY operational. Anyone who has some spare time and the knowhow please give us a call.

Have you been getting QSL cards lately from QSO's dating back when? Could be they have heard about the San Antonio Radio Club's Certificate.

73
Lee, K5HZR
EC San Antonio/Bexar County

Communications Planning Committee meeting at W5SC.
Standing to T R; Charles K5VCR SARC President; Lee K5HZR EC San Antonio/Bexar County; Jim Wood Adm. Officer Bexar County Chapter ARC; Seated L to R; Bob K5UWS Asst. EC; Leonard K5IEG Asst. EC; Gene W5EJT Vice Dir. ARRL; George W5VPQ Asst. EC; Thad W5IRQ Vice Pres. SARC.

CHANGE IN NET TIME:

District 7 Hurricane Watch Net now meets at 0900CST each Saturday on 3980KC

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